

of the video by converting two interlaced fields into a progressive frame, the method comprising the following:

an act of replicating one of the interlaced fields to generate half of the progressive frame;

an act of estimating a correlation between a pixel of the other non-replicated temporal field and at least one vertically adjacent pixel of the replicated temporal field; and

based on the correlation, an act of assigning a value to a subject pixel in the other half of the progressive frame, the subject pixel corresponding to the position of the pixel of the non-replicated temporal field.

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37. In a computer system that has access to interlaced fields of video, a method of converting input fields of interlaced video into two output fields of interlaced video, the method comprising the following:

an act of replicating one of the input fields to form a first output field;

for a given output pixel having an output position in a second output field, an act of using at least one pixel of the replicated input field that is proximate to the output position of the second output field to identify a correlation between one or more non-replicated input fields and the replicated input field at the output position; and

an act of assigning a value to the output pixel at least based on the correlation.--

REMARKS

Prior to the Examination of the above-identified patent application, please enter the amendments contained herein.